

# SINGULA 1 INSTITUTE

## Big News & Announcements

After an amazing *Friends and Family Fundraising Event* in June, the *Singula Team* began working incredibly hard on key aspects of our next phase towards implementation of the clinic. We put our nose to the grindstone and began to churn out the hard work necessary to build the clinic!

We want to thank **Mr. Kevin Meade**, who was our top donor at the *Friends and Family Fundraising Event*, nearly matching the total contribution of donations! **Mr. Meade**, who works as *Executive Director* at *Community Resource Center (CRC)*, has a longstanding interest in serving those with mental illness and neurodevelopmental disabilities.

We want to thank **Marilyn & Michael Glosserman**, who, in addition to helping us provide the delicious meal for the Fundraising event through their son **Marc's** restaurant (<https://www.hillcountry.com/location/hill-country-nyc/>), has provided us with a gracious contribution to fund our operations. We wish the **Glosserman Family** a great deal of gratitude for their support of *Singula Institute* and helping us realize our vision!

We want to thank **Mr. Ryan Leone**, who worked with *Singula Institute* for the summer after his recent graduation from *UPENN*. Mr. Leone completed his *B.A. in The Biological Basis of Behavior* and a *B.S. in Economics (Concentration: Healthcare Management and Policy)* within the *Roy and Diana Vagelos Program*

***in Life Sciences & Management.*** His combined work experience and academic coursework in pre-med, finance, entrepreneurship and healthcare innovation, greatly contributed to our work productivity this summer. We wish him well as he begins his ***Masters in War and Psychiatry at King's College in London*** and applies for Medical School thereafter!

Lastly, we wish to welcome **Ms. Tiffany Paul**, who will be joining the ***Singula Team*** on an internship basis. Ms. Paul is a Junior at ***UPENN***, who is a ***Candidate for B.S. in Economics (Concentration: Business Analytics)*** and ***B.A. in Computational Biology*** within the ***Roy and Diana Vagelos Program in Life Sciences & Management***. Ms. Paul comes to Singula with experience working in a biotechnology start-up.

## **Fundraising & Development**

With the help from **Ryan Leone** and **Adriana Pentz**, we were able to build upon and execute our Fundraising & Development strategy after the completion of our engagement with ***Koszyn & Co***. We have been working toward submitting applications to the roughly 40 family foundations that ***Koszyn & Co*** helped us identify, as aligning with ***Singula's*** Mission. We look forward to working with these foundations through our shared mission!

We have also begun to broaden our network through the attendance of a conference called ***AnxietyTech*** (<https://www.anxietytech.com>), which showcased groups and individuals within the mental health and technological innovation space. From this conference, we were able to expand our network and identify new potential strategic partners!

## **The Clinic**

On the business side of building our clinic, we have begun to refine our business plan to fit Singula Institute's mission to transform mental health diagnostics and treatment. We have been working with our advisors, **Mr. Kuo Tong, MBA** from ***Navigant***, as well as with **Mr. Jerry March, MBA** and **Mr. Michael Leone, CPA** to help guide us through the process.

We are continuing our work with **Reid Simon** at ***Kalorama Solutions***, **Glen Coppersmith** and **Tony Wood** at ***QNTFY*** to select an Electronic Health Record

(EHR) that will be compatible with our clinic and clinical research needs. Given the various layers of complexity of our clinical research operation, this is an important first step towards implementation of our clinic and clinical research program.

## Clinical Research Projects

Under the mentorship, direction, and supervision from **Dr. Zhi-De Deng**, the **University of Maryland Bioengineering** students worked on developing a method for using electroencephalography (EEG) in a paired manner to simulate a therapist and patient interaction for their Senior Capstone Project.

<https://bioe.umd.edu/news/story/bioe-capstone-class-presents-20-novel-projects>

Taken from their poster:

*“The product Team developed aims to capitalize upon the concepts of social interaction and hyperscanning to be able to detect and measure the therapeutic alliance between the clinician and the patient by detecting brain to brain synchrony signals via EEG... The implementation of these methods into psychiatry and other mental health-related fields has limitless potential in improving the efficacy of clinician-patient interactions. While it would traditionally take several sessions for a clinician to understand the individual needs of a new patient and to decide the most appropriate methods of therapy, these technologies could give the clinician a far greater idea of how to approach the patient even by the second session.”*

We congratulate **Dr. Deng** and the **UMD BioE** team!

We continue to expand upon our clinical research team with two more clinician-researchers, **Drs. Tobias Halene** and **Michael Chary** and a Neuropsychologist, **Dr. Shauna Dixon**. In addition, we have brought on **Ms. Tanya Verghese**, a talented MD Candidate from **Einstein School of Medicine**, who has helped to coordinate a few of our projects towards completion and eventual publication in academic journals.

## Social Impact Community

In July, our Co-Founder, **Dr. Zhi-De Deng** volunteered at an MIT student-run “**Grand Hack**” event (<https://grandhack.mit.edu>) that was held in Washington, DC by the organization called **MIT Hacking Medicine**. This group’s mission is “*to infect, energize, and empower a diverse, global community in healthcare entrepreneurship*”

*and innovation to scale medicine to attack and solve healthcare problems”*. One of the main themes of this event was in mental health care. As an MIT alumnus, **Dr. Deng** worked as a **Grand Hack** judge and provided feedback to the groups of young and developing healthcare entrepreneurs.

In September, the **Singula Team** will provide a seminar luncheon event and provide a speaker series talk at the **UPENN** student group, **Wharton Undergraduate Healthcare Club (WUHC)**, where we will discuss our innovative vision to transform mental health treatment and diagnostics.

## **Mental Health & Society**

We will continue to keep you posted on articles of interest to **Singula Institute** via **Facebook**, **Linkedin**, and **Instagram**. These articles are reviewed, filtered, and provided commentary by our **Singula Institute** clinicians and highlight some of the issues that **Singula Institute** will tackle through our clinical research!

You can begin to pledge your support for **Singula vision** of transforming Mental Health by liking us on **Facebook**, following us on **Instagram** and **LinkedIn** and sharing our page (<http://www.singulainstitute.org>) with your friends and colleagues.

**-The Singula Team**



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